



Liquid Inventory

Sulfuric acid 98% drain cleaner
 Nitrocellulose lacquer
 Glycerin
 Hydrogen Peroxide 27% Aqua Silk
 Acetone
 Alcohol
 Nitric Acid 67%
 Nitromethane 100%
 Methanol 100%

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Powder Inventory

Potassium Chlorate (KClO₃) Stump remover
 Potassium Nitrate (KNO₃)
 Potassium Perchlorate (KClO₄)
 Barium Nitrate
 Sulfur Shaker array
 Sodium bicarbonate (baking soda)
 Strontium carbonate & nitrate
 Charcoal
 Bismuth trioxide
 Aluminum powder - black & bright
 Magnesium 200 mesh
 Aluminum chips 40-60 mesh
 Magnesium chips 30-50 mesh & flake 325 mesh
 Antimony Triulfide 200 mesh
 Copper oxide - black
 PVC powder
 Dextrin (instant ice packs)
 Ammonium Nitrate
 Diatomaceous earth
 Sodium Hydroxide - Lye / caustic soda
 Hexamine
 Ammonium perchlorate
 Parlon
 Red Gum
 Zinc dust
 Iron oxide powder
 Citric Acid Ethyrihol

Homemade C-4Plasticized ANNN version (liprod)

250ml Flour mix with
 30ml Dark aluminum powder then mix
 45ml Dry Ammonium Nitrate powder
 Add 125ml Nitromethane 40% minimum
 mixed thoroughly into a dough
 Pack into PVC pipe $1\frac{1}{2}$ " x 6"
 cap ends to seal from moisture
 * very stable / insensitive

Basic ANNN / ANFO

430 grams powder Ammonium Nitrate
 80 milliliters Nitromethane

* by weight SAN: 2NN
 f Add 5% Dark Aluminum powder to sensitize
 and increase power

Bullseye Powder ANN

250ml powder Ammonium Nitrate
 mix 5ml Dark aluminum powder
 Set aside Sealed
 50 ml Nitromethane + 1 TBSP Bullseye powder
 mix thoroughly 30 mins
 * Used mixtures together & mold into
 containers
 - VERY POWERFUL

Reloading Data (Riffle)

223/5.56 55g LOC - FMJ (\$0.25)

Accurate 2460 - 20g - 2,800fps

CFE 223 -

270 Win 110g Hornady FTX (\$0.62)

14R 4064 - 46g (1moa)
 H380 - 44-50g

135g Sierra BTHP (\$0.65)

H380 - 46-47g

308 / 7.62 168g Hornady BTHP (\$0.80)

14R 4064 - 42g - (4lg 1moa)

165g Hornady Speer (\$0.45)

Accurate 2460

150g Hornady Speer (\$0.45)

Combat Rifle

Gunpowder Inventory

45/70 325g Hornady FTX (\$1.00)
 H4198 - 48g - 2,000 fps
 (2.010 short case)

305g Lehigh Controlled fracture (\$1.44)
 H4198 - 47g - 50g
 Accurate 5744 46g

305g Xtrane Penetrator (\$1.44)
 H4198 - 47g - 50g
 Accurate 5744

44/40 200g Magnum RNFP (cast lead)
 Black Powder FF - 35g (\$0.31)

5 ~~5~~ Corrosive powder $\frac{1}{16}$ and crimp case
 - very important to ensure BP is compressed
 with no airspace in case!

Primes

20g shotshell
 Winchester LRM
 Winchester SR
 Federal LR

weapons inventory / serial

- PSA - AR15 - .223/5.56 (PA-15 multi)
Hiroc 9" 37mm
#SCB002112
- PSA - AR308 - .308/7.62 (G3-10 multi)
Scope 16x
with machine SME
#G308754
- Beretta Mod 66 - .44/40 (CAT 1563)
#76533
- Winchester 62A - .22 LR
pump action
#381142
- Western Field - 20 gauge (M550CD)
pump action
#G775414
- Beretta 92FS - 9mm luger
#BER0387082
- Ruger SR22P - .22 LR
#365-97727

37 mm looking

shell maximum diameter = 1.375"

Plastic shell - 25g FF₃ black powder
(50 yrd range)
Aluminum shell - 40g FF₃ black powder
(100 yrd range)

Type

Color

Hand Grenade - 20g KClO₄ - Green
String Grenade - 10g KClO₄ - Tan
Concussion Grenade - 10g KClO₄ - Gray
Aerial Flare - Green Stars - Orange
Air burst firework - Various - white
Smoke -

20g shotshell primers

- Press Fit into plastic shells
- Locite into aluminum shells

Aluminum powder bushings hold 40g FF₃ BP creates a smaller area for powder burn resulting in a more powerful ignition and longer distance launch.

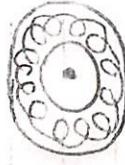
37mm land mines

Hand Grenade

consists of a 3" long PVC (sch. 20) Paper tube .750" I.D. / .830" O.D. X 2 1/4" long

.177 steel BB's - Qty 250
3mm canon fuse 1 1/2" long3/4" paper discs or fender washers
Hi strength hot melt glueAssemble 20g UClO4 Explosive inside PVC
Surround 250 BB's within PVCStinger Grenade
3" long PVC
Paper tube .625" I.D. / .685" O.D. X 2" long
.250 plastic airsoft BB's - Qty. 80ish
3mm canon fuse 1 1/2" long
5/8" paper discs
1 3/8" paper discs
Hi strength hot melt glue

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Assemble 10g UClO4 Explosive inside PVC
Surround plastic BB's within PVCConcussion Grenade
(Same construction as stinger grenade)Assemble 10g UClO4 Explosive inside PVC
* Empty PVCAerial Flare
Assemble into a 2" long plastic shell
1 - 30g Fiji black powder over primer
1 - 1 thin layer toilet paper
3 - 1 3/8" paper disc with fire holes drilled
4 - 6-8 colored fire work stars
5 - toilet paper wadding
6 - 1 3/8" paper disc - hot melt glue to seal

<u>Green Stars</u>	<u>Bleiser Purple Stars</u>
50 Barium Nitrate	68 Potassium perchlorate
32 Magnium powder	6 copper oxide
18 PVC powder	9 Strontium carbonate
5 Dextrin	11 PVC

5 Dextrin

Firework Starts

PETN

Prepare ice bath

33 ml Nitric acid (67%) + 19ml Sulfuric acid (94-99%)

mix until temperature stabilizes $< 100^{\circ}\text{C}$

Slowly stir in Pentaerythritol 10g (98% AR grade powder)
Keep temp below 150°C - If it fumes, redump it out

Let sit for 10 mins $< 15^{\circ}\text{C}$

Prepare warm water bath 50°C

Raise temp of mixture in bath to 50°C

Let sit for 20 mins at 50°C

Cash mixture into Cold distilled water

Rinse / Dry / Recrystallize same as ETN

- If it starts to yellow, end process & filter

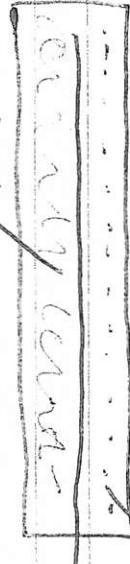
ETN

ETN method 2

12ml Nitric acid (67%)	12g Ammonium Nitrate ball
18ml Sulfuric acid (97%)	30ml Sulfuric acid
3g powder Erythritol	3g powder Erythritol

ETN thermal detonator

BP rolled with fuse



BP fuse 5g ETN powder rolled with 3 layers
of aluminum foil

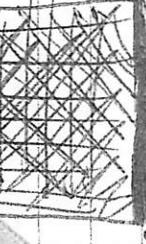
* ETN will not detonate with direct contact
to flame / fuse

= 10g Booster

Seal

5g HMTD
5g powder ETN

10g melt cast ETN
plastic container



Seal

Very high power primary/secondary HE
- VED 8,000 m/s when melt cast 12g/cm
Prepare large ice bath
mix chilled Nitric acid (67%) 12ml
+ chilled Sulfuric acid (98%) 18ml
mix until temp stabilized < 5°C
Slowly stir in Erythritol 3g - below < 5°C (fine powder)
Remove from ice bath maintain 10°C - 30 mins.
Crash mixture into cold water slowly

Filter ETN crystals

Rinse with sodium bicarbonate water

Rinse with distilled water

* DRY RAW ETN *

Dissolve crystals into small amount of Acetone
Crash into turbulent cold water - stirring fast
to create smaller crystals
Filter Recrystallized ETN
* DRY pure ETN

Melt Casting

This creates a dense block of solid ETN
that can be melt or poured into a mold
- Double boil a glass container of water 180°F
Submerge/Float mold with powder ETN
- use a well tight container that can withstand water temperature
- Allow to cool slowly